

STATE REGULATIONS FOR INCINERATORS AND CAA SECTION 129 POLLUTANTS

A selection from ERG's August 26, 1996, memorandum entitled *Preliminary Summary of State Incinerator Regulations*. Refer to ERG's memorandum and the regulations themselves for more information regarding applicability.

ERG Ref. No.	APPLICABILITY	EMISSION LIMIT	UNITS	OTHER REQUIREMENTS
CARBON MONOXIDE, CO				
IL5-1	All incinerators	500	ppp @ 50% excess air	
LA3-2	Crematories	100	ppmv dry @ 7% O ₂	Design, operational, training, and recordkeeping requirements.
DIOXINS/FURANS				
NY1-4	Incinerators subject to Subpart 219-2	2	ng/dscm TEQ @ 7% O ₂	
HYDROGEN CHLORIDE, HCl				
NY1-2	Incinerators subject to Subpart 219-2	50	ppmv dry @ 7% O ₂	
		10	% of uncontrolled emissions	
WA3-3	All solid waste incinerators	50	ppmv dry @ 7% O ₂	
		20	% of uncontrolled emissions	
MERCURY, Hg				
SC2-5	Sluge incinerators	3200	g/day	
SULFUR DIOXIDE, SO₂				
WA3-4	All solid waste incinerators	50	ppm dry @ 7% O ₂	
		20	% of uncontrolled emissions	
AZ5-3	Unclassified	600	ppm	Design and operating requirements.

FINE PARTICULATE MATTER, PM10

LA3-1	Crematories	0.08	gr/dscf @ 7% O ₂	Design, operating, training, and recordkeeping requirements.
-------	-------------	------	-----------------------------	--

PARTICULATE MATTER, PM

IL2-1	Refuse incinerators	0.05	gr/dscf @ 12% CO ₂	
CT2-3	All new incinerators except in dwellings of 6 or fewer units	0.08	gr/dscf @ 12% CO ₂	
KY2-4	All incinerators \leq 500 lb/hr, \leq 50 tpd	0.08	gr/dscf @ 12% CO ₂	
WI2-1	All new incinerators	0.08	gr/dscf @ 12% CO ₂	
AZ 3-2	Multiple chamber, controlled air, and fume incinerators and afterburners	0.1	gr/dscf @ 12% CO ₂	Record keeping requirements.
CA8-1	All solid and liquid waste incinerators >110 lb/hr	0.1	gr/dscf @ 12% CO ₂	Design and operational requirements.
CO1-4	All incinerators \geq 200 lb/hr in non-attainment areas except medical waste	0.1	gr/dscf @ 12% CO ₂	
CO1-5/9	All incinerators <200 lb/hr in non-attainment areas except medical waste	0.1	gr/dscf @ 12% CO ₂	
IL4-3	Continuous, automatic stoker incinerators burning animal pathological waste	0.1	gr/dscf @ 12% CO ₂	
KY2-2	All incinerators \leq 500 lb/hr, \leq 50 tpd	0.1	gr/dscf @ 12% CO ₂	
CO1-5/6	All incinerators \geq 200 lb/hr in attainment areas except medical waste	0.15	gr/dscf @ 12% CO ₂	
AZ7-1	All incinerators >50 tpd	0.18	gr/dscf @ 12% CO ₂	
AZ3-3	Wood waste other than air curtain destructors	0.2	gr/dscf @ 12% CO ₂	Record keeping requirements.
KY2-3	All incinerators \leq 500 lb/hr, \leq 50 tpd	0.2	gr/dscf @ 12% CO ₂	

CA8-3	All solid and liquid waste incinerators \leq 110 lb/hr except refuse	0.3	gr/dscf @ 12% CO2	Design and operating requirements.
WA1-2	All incinerators	0.2	gr/dscf @ 12% CO2	
LA5-1	All new incinerators	0.08	gr/dscf @ 12% CO2	
ME2-1	All incinerators >50 tpd	0.08	gr/dscf @ 12% CO2	
TN1-1	All incinerators >50 tpd	0.08	gr/dscf @ 12% CO2	
NJ1-2	All incinerators except "special" incinerators	0.1	gr/dscf @ 12% CO2	
PA1-1	All incinerators	0.1	gr/dscf @ 12% CO2	
VA1-1	All incinerators	0.14	gr/dscf @ 12% CO2	
KY12-2	Existing incinerators \geq 500 lb/hr except sawdust, wood chips and bark	0.2	gr/dscf @ 12% CO2	
ME2-2	All incinerators \leq 50 tpd	0.2	gr/dscf @ 12% CO2	
NJ1-1	All "common" incinerators	0.2	gr/dscf @ 12% CO2	
KY12-4	Incinerators burning sawdust, wood chips, and bark	0.21	gr/dscf @ 12% CO2	
NY1-1	Incinerators subject to Subpart 219-2	0.01	gr/dscf @ 7% CO2	
WA3-1	All solid waste incinerators >250 tpd	0.02	gr/dscf @ 7% CO2	
WA3-2	All solid waste incinerators <250 tpd	0.03	gr/dscf @ 7% CO2	
OR8-1	Crematories	0.08	gr/dscf @ 7% CO2	
OR1-3	New refuse incinerators >200 lb/hr	0.1	gr/scf	
OR1-2	Existing refuse incinerators >200 lb/hr	0.2	gr/scf	
OR1-1	Existing refuse incinerators \leq 200 lb/hr	0.3	gr/scf	
CT2-4	All existing incinerators except dwellings of 6 or fewer units	0.4	lb/1000 lb flue gases @ 50% excess air	Operational requirements.

GA2-3	All incinerators >500 lb/hr except conical burners	0.2	lb/100 lb or charge	
CT1-1	All incinerators	0.4	lb/1000 lb flue gases @ 50% excess air	
IN3-1	All incinerators \geq 200 lb/hr except apartments with \leq 4 units	0.3	lb/1000 lb dry standard exhaust gas @ 50% excess air	
IN3-2	All incinerators <200 lb/hr except apartments with \leq 4 units	0.5	lb/1000 lb dry standard exhaust gas @ 50% excess air	
WI1-1	All incinerators >500 lb/hr on or before 4/1/72	0.5	lb/1000 lb exhaust gas	
WI1-2	All incinerators \leq 500 lb/hr on or before 4/1/72	0.6	lb/1000 lb exhaust gas	
WI1-3	All incinerators \geq 5 ft ³ in Subregion 1 on or before 4/1/72	0.03	lb/1000 lb exhaust gas	
WI1-4	All incinerators \geq 4000 lb/hr after 4/1/72	0.15	lb/1000 lb exhaust gas	
WI1-5	All incinerators between 500 and 4000 lb/hr after 4/1/72	0.2	lb/1000 lb exhaust gas	
WI1-6	All incinerators \leq 500 lb/hr and $>$ 5 ft ³ after 4/1/72	0.3	lb/1000 lb exhaust gas	
IL4-2	Continuous automatic stoker incinerators burning animal pathological waste	0.1	lb/100 lb material charged	
OH1-1	All incinerators \geq 100 lb/hr	0.1	lb/100 lb material charged	
OH1-2	All incinerators <100 lb/hr	0.2	Lb/100 lb material charged	
AL2-1	Wood, peanut, and cotton ginning wastes	0.4	lb/100 lb material charged	Design requirements.
AL1-3	All incinerators >50 tpd except wood, peanut, and cotton ginning wastes and medical waste	0.1	lb/100 lb material charged	

AL1-2	All incinerators \leq 50 tpd except wood, peanut, and cotton ginning wastes and medical waste	0.2	lb/100 lb material charged	
HI1-1	All refuse incinerators	0.2	lb/100 lb material charged	
ID1-1	All refuse incinerators	0.2	lb/100 lb material charged	
NY3/6-5	All incinerators	0.5	lb/100 lb material charged	
GA2-2	All incinerators \leq 500 lb/hr except conical burners	1.0	lb/hr	
SC2-4	Sludge	1.3	lb/ton dry	
CT2-5	All incinerators	None	Discernible by human eye	Operational requirements.
OK2-1, 4, 2-2, WV2- 1,2-2, WI1-3, NY7/10- 1and WV	Incinerators of specified capacity/size		Formula or other reference	
IL3-1/ 4-1	Exemptions for certain wood and pathological wastes			

OPACITY

NJ1-3/4	All incinerators	1	Ringelmann chart	
OR8-2	Crematories	None	Visible emissions	
WV2-2	All incinerators	2	Ringelmann chart	
OK1-1	All incinerators	1	Ringelmann chart	
LA3-3	Crematories	5	% opacity	Design, operating, training, and recordkeeping requirements.
WA3-5	All incinerators	5	% opacity	
NY2-1	Uncertain	10	% opacity	
SC2-2	Crematories	10	% opacity	
WA3-6	All incinerators	10	% opacity	
AZ3-1	All incinerators	20	% opacity	

CO1-7/8	All incinerators <200 lb/hr	20	% opacity	
KY2-1	All incinerators	20	% opacity	
KY12-1	All incinerators except burning swdust, wood chips, and bark	20	% opacity	
MD2-1	All incinerators	20	% opacity	
NY3/6-6	All incinerators	20	% opacity	
SC2-3	Sludge	20	% opacity	
SC2-19	Industrial waste	20	% opacity	
GA2-1	All incinerators	40	% opacity	
KY12-3	Sawdust, wood chips, and bark	40	% opacity	
GA2-4	All incinerators except conical burners	20	% opacity	Design and operating requirements.
NY7/10-2	All existing incinerators	20	% opacity	
ND1-1	All incinerators	20	% opacity	
ME2-1	All incinerators	1	Ringelmann chart	
CT1-2	All incinerators	2	Ringelmann chart	
CT2-1	All incinerators	20	% opacity	
		1	Ringelmann chart	